

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

SUBJECT: Lithium Reanalysis – HW30 18 July 2012
Dimock, PA

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Samples initially collected from residential wells in Dimock during Weeks 1 through 4 were recently reanalyzed to achieve lower detection limits for lithium. Findings for HW30 are presented below.

Lithium

Lithium was reported in an unfiltered tap sample from HW30 at 32.1 ug/L. The filtered tap sample (29.8 ug/L) and the wellhead samples (unfiltered = 30.1 ug/L, filtered = 27.8 ug/L) from this location contained slightly lower concentrations of lithium. The unfiltered tap sample marginally exceeds lithium's risk-based screening level of 31 ug/L; long-term exposure this concentration of lithium (32.1 ug/L) would generate a Hazard Quotient of 1.0. Under acute exposure conditions, ATSDR has suggested a screening concentration of 1500 ug/L for lithium in drinking water.



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